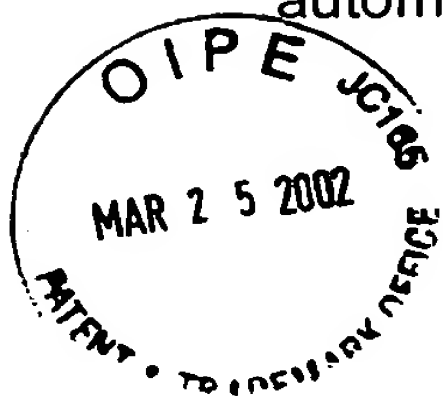


19. (New) The method of claim 14, wherein the execution device is a programmable logic controller also executing a control program that controls the automation system.



REMARKS

Entry of these amendments is respectfully requested. No new matter has been added.

Please charge any additional fees or deficiencies in fees or credit any overpayment to Deposit Account No. 50-0902 of ARTER & HADDEN, LLP, referencing the Docket No. (74953/15381).

Respectfully submitted,

ARTER & HADDEN LLP

Eric D. Jorgenson
Registration No. 46,002
1100 Huntington Building
925 Euclid Avenue
(216) 696-2497 (phone)
(216) 696-2645 (fax)

Date: 3/12/2002

626088.1

RECEIVED
MAR 29 2002
Technology Center 2100

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner of Patents, Washington, DC 20231.

on MAR. 13, 2002

Valerie A. Salvi

(SIGNATURE)
VALERIE A. SALVINO

1.(Amended) A method of identifying fault conditions in an automation system, comprising the steps of:

identifying components in the system₁;

identifying inputs and outputs to each identified component, the inputs including possible fault conditions₁ and other inputs₁;

determining functional relationships between the inputs and outputs for each identified component₁; and

determining fault conditions based on the functional relationships and₁ the outputs and other inputs.

09/972,365-034604